

ABSTRACT

The present invention relates to a method and an apparatus for processing images of irregularly shaped objects, such as biological specimens, in particular of human or animal origin, or images thereof. The metric quantification of a biological body part or tissue or of a material spot or aggregate of any origin which is contained therein is also performed by the present invention method. In particular, the method of the present invention is applied to the "confocal microscopy" technique. In particular, the present invention relates to a method of processing digital images including one or more objects to be quantified, the method including normalization of the digital images and quantization of the images to one bit. The method further including at least calculating, from the images quantized to one bit, the perimeter, area and/or fractal dimension of the one or more objects to be quantified and/or reconstructing, from the images quantized to one bit, a 3D-image of the one or more objects to be quantified, and/or calculating, from the normalized images, the fractal dimension of the overall image.